



NextEra Energy Resources

Energy Legislation Review Interim Study Committee

August 12, 2019
Limon Wind Site Tour



Local Investment. Jobs. Clean Energy.

NextEra Energy Values

We are Committed
to Excellence



We Do the
Right Thing



We Treat People
with Respect



Our company

- ▶ American owned and operated

NEXtera[®]
ENERGY 

\$100 billion
market
capitalization



FPL[®]

NEXtera[®]
ENERGY 

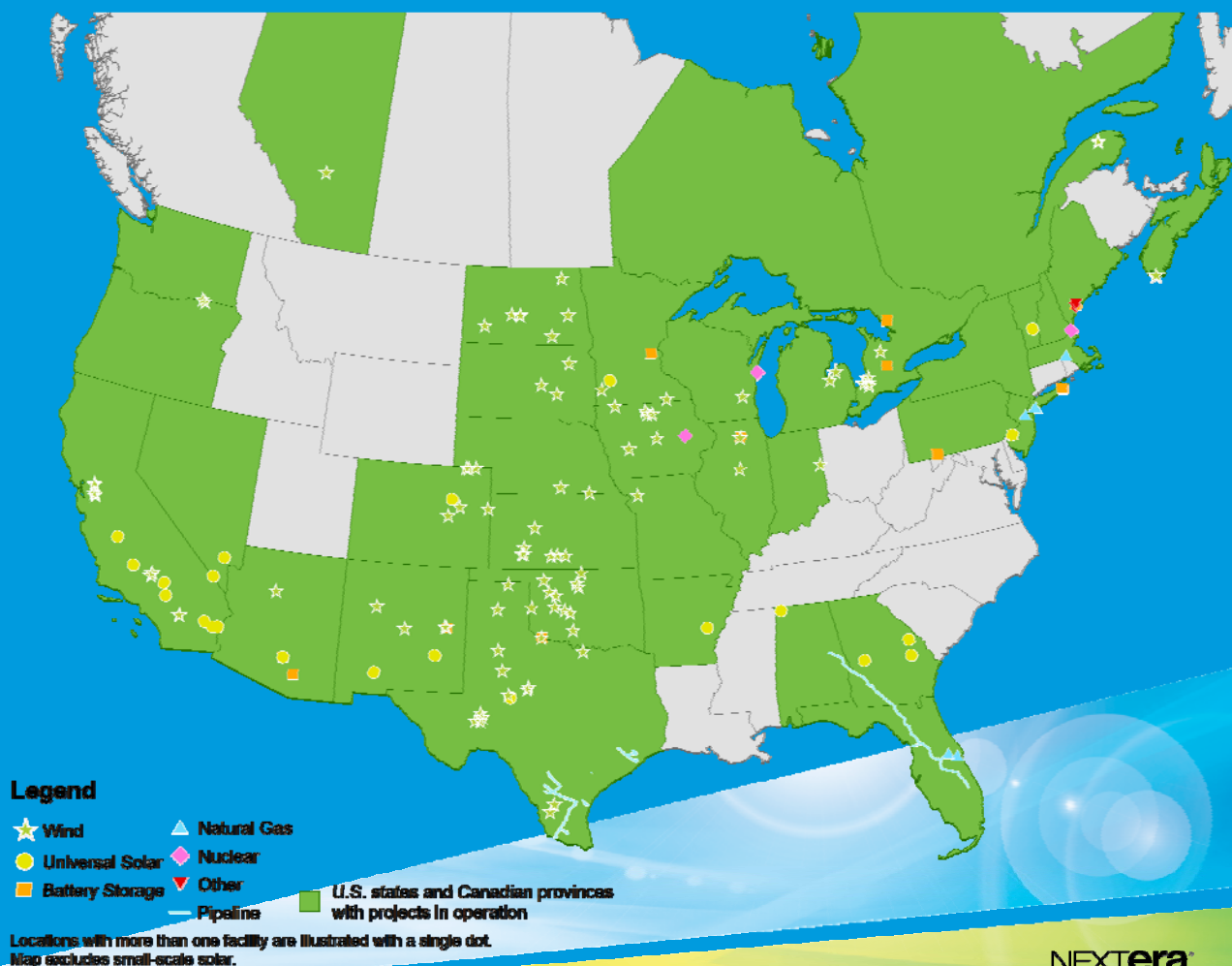
RESOURCES

NEXtera[®]
ENERGY 

Our company

- ▶ American owned and operated
- ▶ Investments in 36 states and Canada

wind,
solar, storage,
natural gas,
oil and nuclear
energy



Our company

- ▶ American owned and operated
- ▶ Investments in 36 states and Canada
- ▶ Renewable energy leader

world's
#1
generator of wind
and solar energy
2018



Our company

- ▶ American owned and operated
- ▶ Investments in 36 states and Canada
- ▶ Renewable Energy leader
- ▶ Independent Power Producer

**RFPs =
Competitive
Bidding
= Lowest Prices
+ Customer
Benefits**



NextEra's Commitment to Colorado

- ▶ Total CO renewables in 2017: 12.6 million MWh
 - » NextEra produced 5.3 million MWh (42%)
- ▶ 8 wind projects, 3 solar projects; 1,640 MW since 2007
- ▶ Over 2,000 MW under development throughout Colorado
- ▶ Partnerships with Pueblo Community College and Northeastern Junior College for solar and wind job training
- ▶ Community involvement and charitable contributions throughout Colorado

Approximately
\$2.6 billion
total capital investment



Approximately
\$22.2 million
annual payroll



\$6.3 million
annual land payments



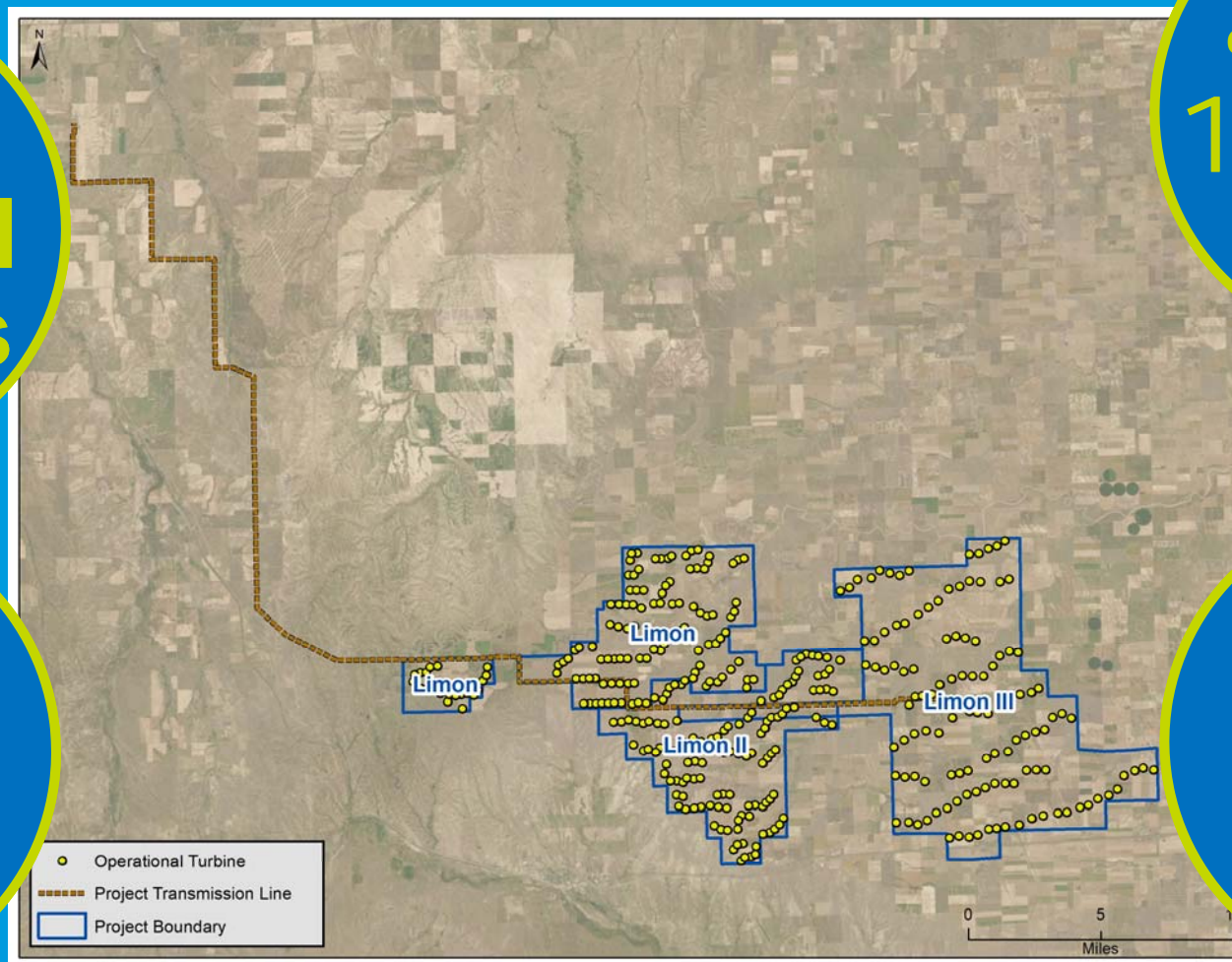
\$4.7 million
in property tax payments



Limon I, II & III Wind Projects

368
GE wind
turbines

Arapahoe,
Elbert &
Lincoln
Counties



600 MW
can power over
185,000
homes

40
Full time
employees

Bronco Plains Wind & Grazing Yak Solar

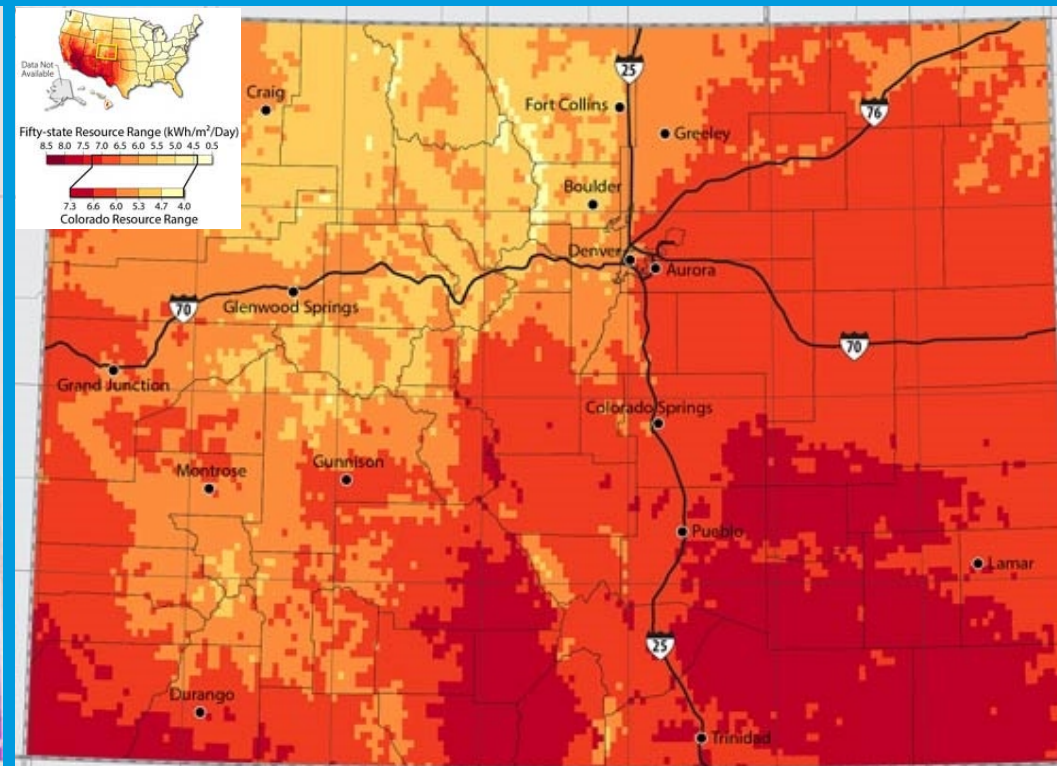
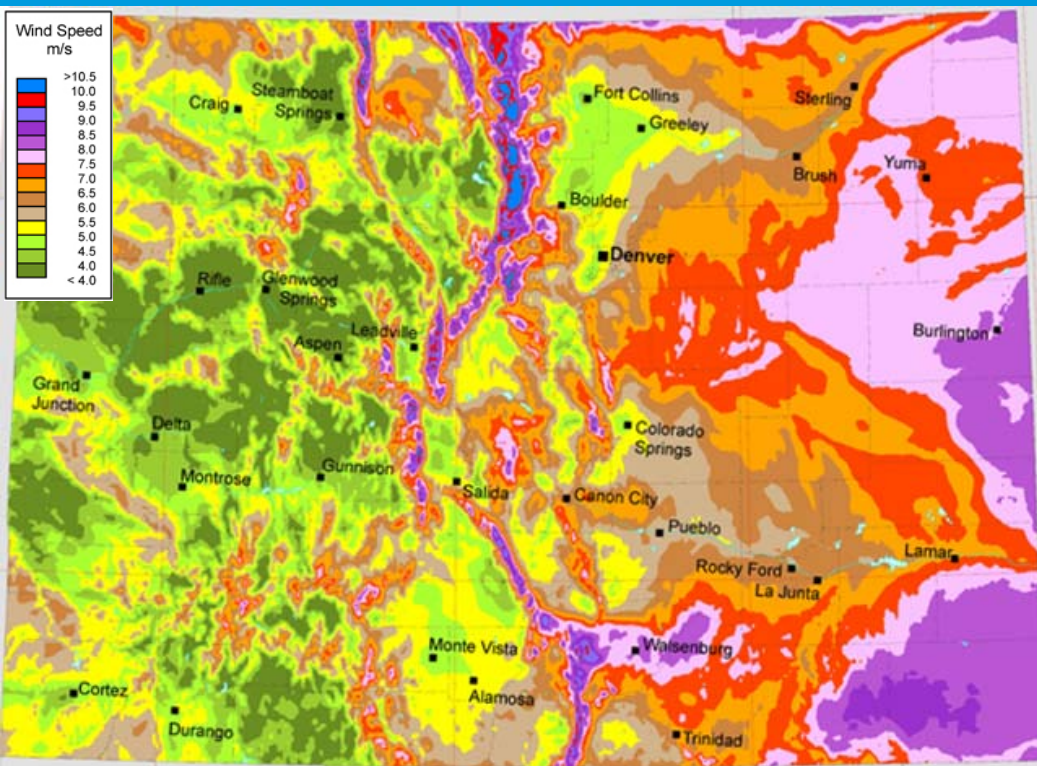
- ▶ **Two new projects currently under construction**
- ▶ **Roughly 500 construction jobs and \$355 million investment**
 - » Bronco Plains Wind - Kit Carson and Lincoln Counties
 - › 300 MW Power Purchase Agreement (PPA) with PSCo
 - › Operational around April 2020
 - » Grazing Yak Solar - El Paso County
 - › 35 MW PPA with CSU
 - › Operational by December 31, 2019



Renewables in Colorado

- ▶ Clean, non-polluting renewable energy, consistent with Colorado's goals and compatible with current land uses such as farming and ranching
- ▶ Strong legislation is driving investment and innovation
- ▶ Colorado is a leader in wind and solar jobs
- ▶ Good local regulatory environment and supportive communities
- ▶ Among the best wind and solar resources in the U.S.
 - » Means low cost energy for Colorado customers

Colorado Wind & Solar Resource



Opportunities and Challenges

- ▶ Lack of transmission capacity and transmission siting constraints
- ▶ Expiring federal wind production tax credit (PTC) and solar investment tax credit (ITC)
- ▶ Energy storage property tax treatment





Blades

- 132 ft. (44 yards)
- 13,338 lbs.
- 17 RPM
- 164 MPH at tip

Gearbox

- 34,000 lbs
- 85:1 (17 rpm to 1,445 rpm)
- 2,000 horse power
- 8 Gears & 23 Bearings

Sensors

- Turn into Wind
- Start / Stop

Generator

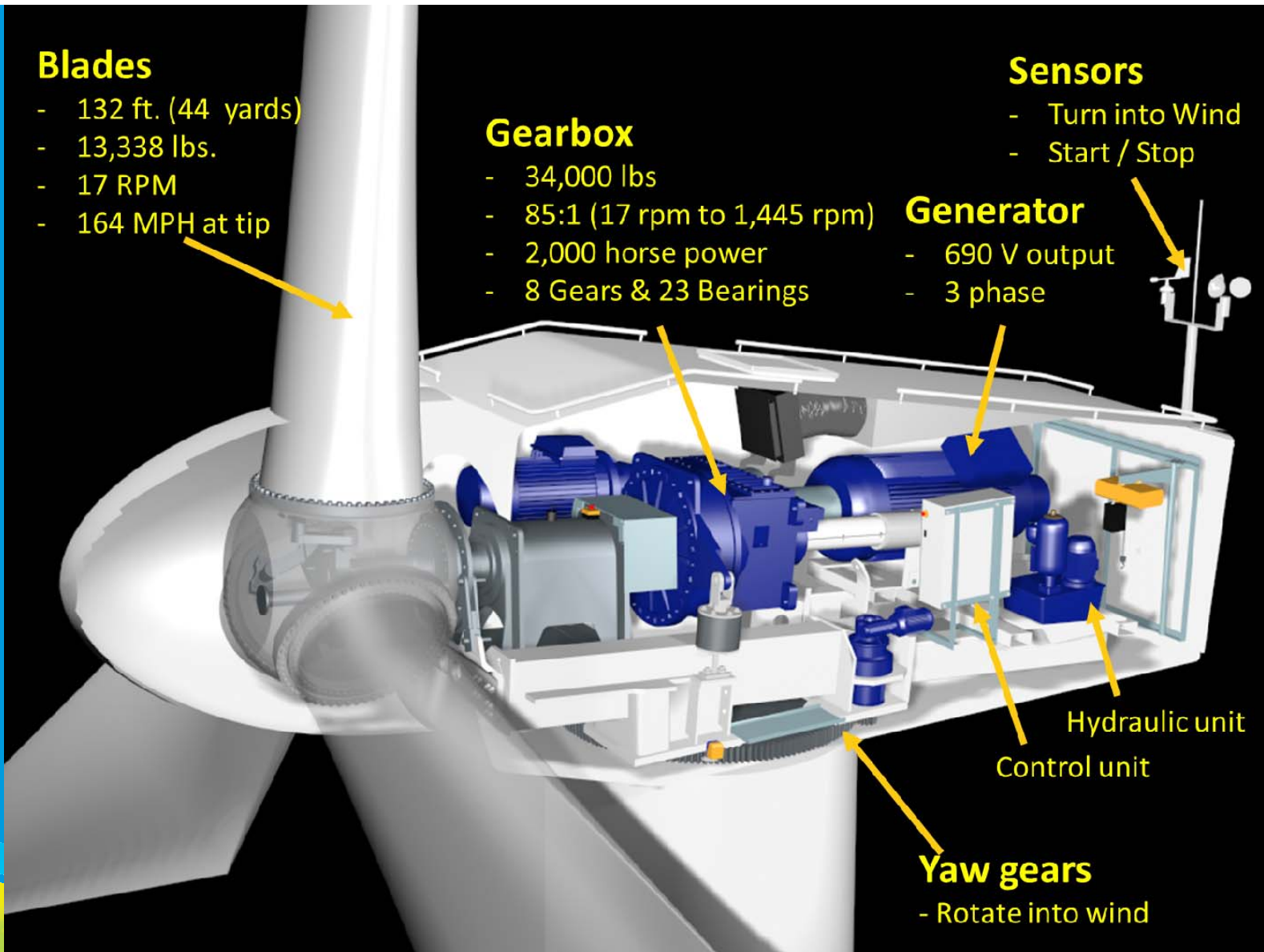
- 690 V output
- 3 phase

Hydraulic unit

Control unit

Yaw gears

- Rotate into wind



The Nacelle

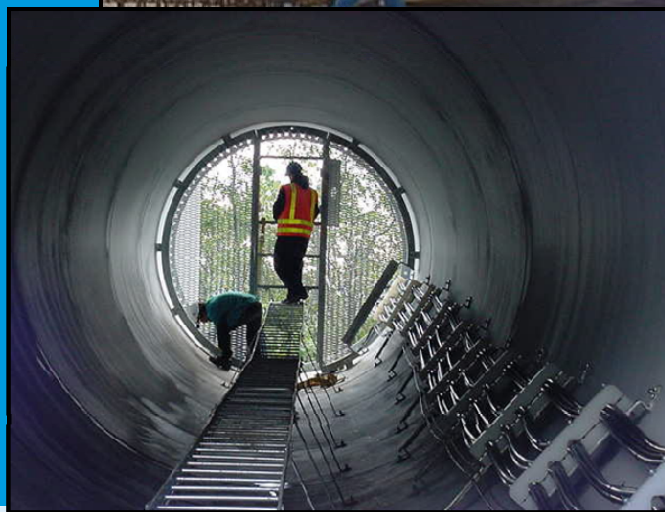
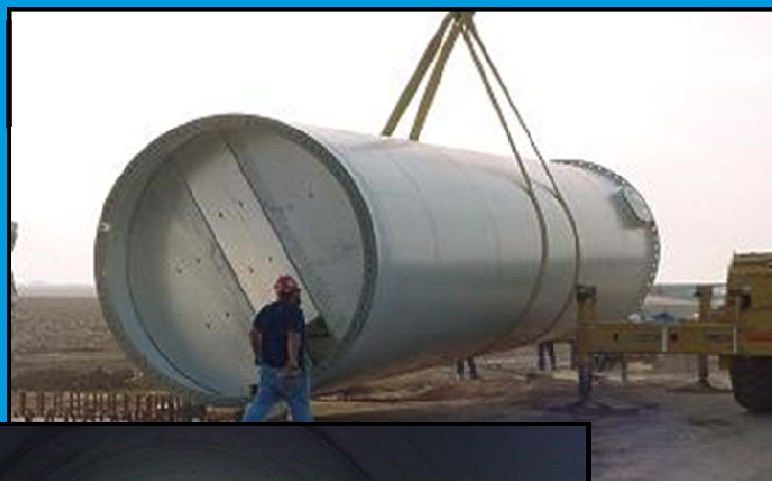


Nacelle Weight = 122,000 lbs or 61 tons

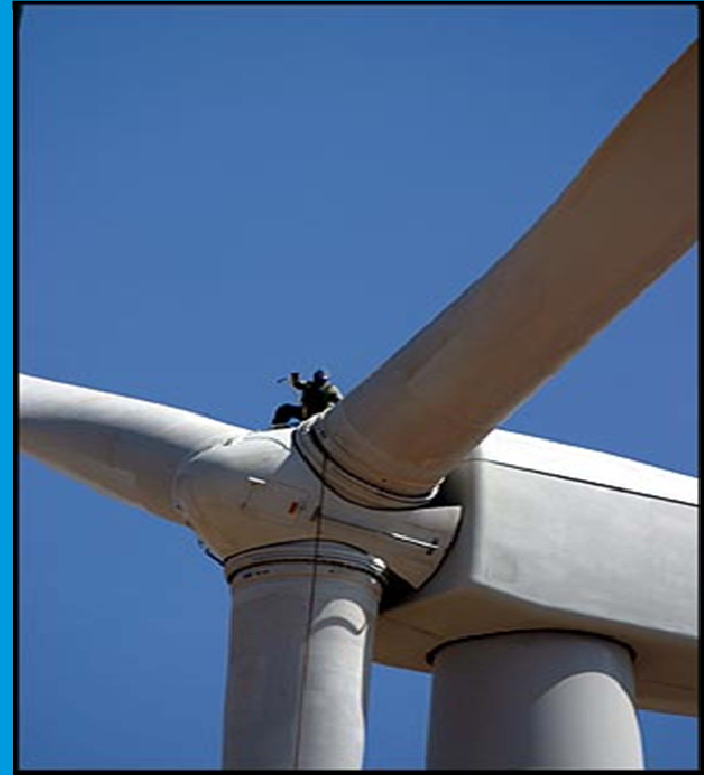
The Tower



Hub Height = 263 ft.
Tip Height = 397 ft.



The Rotor



Rotor Weight = 47,400 lbs or 23.7 tons

The Turbine Blades



**Blade Length = 132 feet
Width = 11 feet**



**Blade Weight = 13,338 lbs
or 6.7 tons**